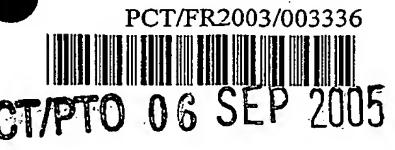
Translation.

PATENT COOPERATION TREATY



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

	(PCT Article 36 allu	Kule /0)				
Applicant's or agent's file reference VCstsF1578/2	FOR FURTHER ACTION		cation of Transmittal of International Examination Report (Form PCT/IPEA/416)			
International application No.	International filing date (day/m	ionth/year)	Priority date (day/month/year)			
PCT/FR2003/003336	07 novembre 2003 (07.	11.2003)	08 novembre 2002 (08.11.2002)			
International Patent Classification (IPC) or n	ational classification and IPC					
Applicant	TS PHARMA					
This international preliminary exam and is transmitted to the applicant action.		by this Intern	ational Preliminary Examining Authority			
2. This REPORT consists of a total of	6 sheets, including	g this cover sl	neet.			
amended and are the basis for		ning rectificat	on, claims and/or drawings which have been tions made before this Authority (see Rule			
These annexes consist of a to	otal of sheets.					
3. This report contains indications relating to the following items:						
I Basis of the report						
II Priority						
III Non-establishment of	of opinion with regard to novelty	, inventive ste	p and industrial applicability			
IV Lack of unity of inve	ention					
V Reasoned statement citations and explan	under Article 35(2) with regard ations supporting such statement	to novelty, inv	ventive step or industrial applicability;			
VI Certain documents cited						
VII Certain defects in th	e international application					
	s on the international application					
,						
Date of submission of the demand	Date of	Date of completion of this report				
02 juin 2004 (02.06.2		-	Aarch 2005 (14.03.2005)			
Name and mailing address of the IPEA/EP	Authori	zed officer	•			
Facsimile No.	Telepho	one No.				

International application No.

PCT/FR2003/003336

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

I.	Basis	of the re	eport						
1.	With	regard to	o the elements of the international application:*						
		the inte	ernational application as originally filed	!					
	\boxtimes	the des	scription:						
		pages	1-40	_, as originally filed					
		pages	, f	iled with the demand					
		pages	, filed with the letter of						
	\square	the clai	ims [.]						
		pages	1-30	, as originally filed					
		pages	, as amended (together with any staten						
		pages		iled with the demand					
		pages	, filed with the letter of						
		the drav		an aminimally filed					
		pages	1/6-6/6	, as originally filed illed with the demand					
		pages		ned with the demand					
		pages	, filed with the letter of						
		the seque	ence listing part of the description:	•					
		pages		_, as originally filed					
		pages	, f	iled with the demand					
		pages	, filed with the letter of						
	the it Thes	the language, all the elements marked above were available or furnished to this Authority in the language in which international application was filed, unless otherwise indicated under this item. see elements were available or furnished to this Authority in the following language							
		furnish	hed subsequently to this Authority in computer readable form.						
		interna	tatement that the subsequently furnished written sequence listing does not go beyond that the ational application as filed has been furnished. Itatement that the information recorded in computer readable form is identical to the written						
		been fu	urnished.						
4.			nendments have resulted in the cancellation of: the description, pages the claims, Nos the drawings, sheets/fig						
5.			port has been established as if (some of) the amendments had not been made, since they have been the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	een considered to go					
	in th	is report 70.17).	sheets which have been furnished to the receiving Office in response to an invitation under Artical tas "originally filed" and are not annexed to this report since they do not contain amen	ndments (Rule 70.16					
**	Any i	replacem	ent sheet containing such amendments must be referred to under item I and annexed to this repo	<i>rt.</i>					

International approaction No.
PCT/FR 03/03336

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Statement			
Novelty (N)	Claims	16, 18, 21, 24	YES
	Claims	1, 12, 13, 19, 22	_ NO
Inventive step (IS)	Claims	16, 18, 21, 24	YES
mvenuve stop (10)	Claims	1, 12, 13, 19, 22	NO NO
Industrial applicability (IA)	Claims	1-30	YES
	Claims		NO

2. Citations and explanations

- 1. Reference is made to the following documents:
 - D1: US-A-5 446 023 (GUEDJ CAMILLE ET AL) 29 August 1995 (1995-08-29)
 - D2: GUEDJ C ET AL: "Vesicles and other supramolecular systems from biocompatible synthetic glycolipids with hydrocarbon and/or fluorocarbon chains." CHEMISTRY AND PHYSICS OF LIPIDS, vol. 72, no. 2, 1994, pages 153-173, XP009013441 ISSN: 0009-3084
 - D3: TONG G ET AL: "THE SYNTHESIS OF OLIGONUCLEOTIDE-POLYAMIDE CONJUGATE MOLECULES SUITABLE AS PCR PRIMERS" JOURNAL OF ORGANIC CHEMISTRY, AMERICAN CHEMICAL SOCIETY. EASTON, US, vol. 58, no. 8, 9 April 1993 (1993-04-09), pages 2223-2231, XP000562640 ISSN: 0022-3263
 - D4: HAVIV FORTUNA ET AL: "In vitro and in vivo activities of reduced-size antagonists of luteinizing hormone-releasing hormone" JOURNAL OF MEDICINAL CHEMISTRY, vol. 37, no. 5, 1994, pages 701-705, XP002278652 ISSN: 0022-2623
 - D5: HOCART S J ET AL: "EFFECT OF REDUCTIVE

 ALKYLATION OF D LYSINE IN POSITION 6 ON THE

 HISTAMINE-RELEASING ACTIVITY LHRH" JOURNAL OF

International application No. PCT/FR 03/03336

MEDICINAL CHEMISTRY, vol. 30, no. 4, 1987, pages 739-743, XP002278653 ISSN: 0022-2623

- D6: CONTINO-PEPIN C ET AL: "AMPHIPHILIC OLIGOMERS: A NEW KIND OF MACROMOLECULAR CARRIER OF ANTIMITOTIC DRUGS" CURRENT MEDICINAL CHEMISTRY. ANTI-CANCER AGENTS, BENTHAM SCIENCE PUBLISHERS, HILVERSUM, NL, vol. 2, no. 6, November 2002 (2002-11), pages 645-665, XP009013445 ISSN: 1568-0118
- D7: JASSERON SYLVAIN ET AL: "Synthesis and preliminary biological assessments of RGD bearing biocompatible telomere." BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol. 12, no. 7, 2002, pages 1067-1070, XP002247711 8 April, 2002 ISSN: 0960-894X
- D8: CHAUDIER Y ET AL: "Synthesis and preliminary assessments of hybrid hydrocarbon-fluorocarbon anionic and non-ionic surfactants" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 42, no. 21, 21 May 2001 (2001-05-21), pages 3583-3585, XP004238694 ISSN: 0040-4039
- 2. The following documents are not international search report citations:
 - D9: Sjölin & Kihlberg "Use of fluorobenzoyl protective groups in synthesis of glycopeptides: beta elimination of O-linked carbohydrates is suppressed" (2001), vol. 66, pages 2957-2965

D10: EP-A-0046113

D11: WO-A-9300359

D12: WO-A-0004914

3. The present application does not comply with PCT Article 33(1) since the subject matter of claims 1, 12,

International accation No.

PCT/FR 03/03336

13, 19 and 22 does not meet the requirements of PCT Article 33(2).

The compounds d in D1 (column 3), D2 (compound V), D3 (compound 29), D4 (compounds 38 to 40, 46 to 49), D5 (compound XV), D9 (compounds 4 and 23 to 26), D10 (compounds 16, 19, 22, 23, 28 to 31, 33), D11 (compounds in example 5) and D12 (compound in example 52) render the subject matter claimed non-novel.

4. The subject matter of claims 16, 18, 21 and 24 is novel and is not suggested by the prior art. It is therefore inventive.

However, the compounds in claims 1, 12, 13, 19 and 22 are not inventive since they are not novel. The preparation of amphiphilic compounds of the type in the present application is already known from D1 and D2.

- 5. The claims have industrial applicability (PCT Article 34(4)(a)(i)).
- 6. The terms which define groups PA and R (first definition) used in the claims are vague and ambiguous, giving rise to doubt as to the meaning of the technical features to which they relate. Therefore the subject matter of the claims is not clearly defined (PCT Article 6).
- 7. The claims are not supported by the description (PCT Article 6) since their scope is greater than that justified by the description and the drawings. The reasons therefor are that grouping Y is still a perfluorinated C4-C12 grouping. This feature is essential for the preparation of the amphiphilic compounds as per the

International appion No.

PCT/FR 03/03336

present application.

8. The claims do not meet the requirements of PCT Article 6 insofar as the subject matter for which protection is sought is not clearly defined. The claims attempt to define this subject matter by the result to be attained (R is a molecule capable being detected by the target of the active ingredient PA), but in so doing merely indicate the underlying problem to be solved by the invention, without stipulating the technical features necessary for arriving at this result.